

# Server, Solutions & Storage Family Guide

Your fast lane to PRIMERGY servers, ETERNUS storage, Fujitsu services and Microsoft server products for SMEs

FUJITSU



shaping tomorrow with you

 Windows Server

# FUJITSU Server Enterprise Products

## Choose FUJITSU systems to transform your IT environment

FUJITSU is the leading ICT provider with an entire portfolio of IT products, solutions and services – from notebooks, tablets, PCs and data center solutions up to managed services and cloud solutions. FUJITSU servers provide the basis to set up the most powerful and flexible data center solutions for companies of all sizes, across all industries and for any type of workload. This includes industry standard PRIMERGY servers, mission-critical PRIMEQUEST systems and SPARC/UNIX servers to be able to offer the right combination of systems, solutions and know-how to guarantee maximum productivity, efficiency and flexibility.

### FUJITSU Servers

#### FUJITSU Server PRIMERGY

Industry's most complete x86-based portfolio for companies of all sizes, across all industries and for any type of workload.

#### FUJITSU Server PRIMEQUEST

Enhance the economic benefits of x86 industry standards complemented with a fault immune system architecture.

#### FUJITSU M10 Server

Unmatched scalability of up to 64 SPARC processors together with highest RAS features and a modular architecture.

### FUJITSU Server PRIMERGY

#### FUJITSU PRIMERGY TX Family



Expandable tower servers ideal for branch offices, remote offices and small businesses.

#### FUJITSU PRIMERGY RX Family



Versatile and scalable rack-optimized servers with leading efficiency and performance.

#### FUJITSU PRIMERGY BX Family



Platform for converged infrastructures engineered to maximize every hour, watt, and dollar.

#### FUJITSU PRIMERGY CX Family












Density optimized cloud server infrastructures for HPC, cloud and hyper-converged computing.

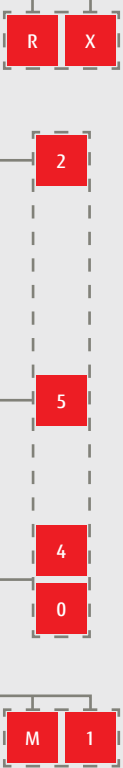
# PRIMERGY Naming

## PRIMERGY new naming cheat sheet

### New Naming – Easy and recognizable

In 2014 FUJITSU introduced a new system naming for the PRIMERGY server portfolio. After almost 10 years the well-known naming of PRIMERGY servers is getting an important modification to reflect the widened PRIMERGY portfolio. The new system naming mimics the typical buying process of fresh hardware: A customer's first decision point is always the form factor, so the new naming keeps important brand elements like RX, for Rack Server or TX, for Tower Server. The numbers following the form factor refer to the number of sockets and the processor platform type. This leads to a system class, like PRIMERGY RX2500. The last numbers in the name refer to the feature set and the generation of the specific model.

|  | Segment   | Old naming   | Current naming   | How do you choose a server?   | An Example<br>(Successor of PRIMERGY RX300 S8)  |
|--|---|--|--|---|---|
| <br><br><br><br><br><br> | <b>Tower Server</b><br><br>New possible classes:<br>1300<br>2500        | TX100 S3<br>TX120 S3<br>TX140 S2<br>TX150 S8<br>TX200 S7<br>TX300 S8                   | TX1310 M1<br>TX1320 M1<br>TX1330 M1<br><br>Combined successor<br>TX2540 M1<br>TX2560 M1              | <b>1.</b>    | <b>Formfactor</b><br>BX: Blade server / Chassis<br>CX: Cloud server / Chassis<br>MX: Micro server<br><b>RX: Rack server</b><br>TX: Tower server<br>SX: Storage blade                                      |
|  | <b>Rack server</b><br><br>New possible classes:<br>1300<br>2500<br>4700 | RX100 S8<br>No predecessor<br>RX200 S8<br>RX300 S8<br>RX350 S8<br>RX500 S7<br>RX600 S6 | RX1330 M1<br>RX2520 M1<br>RX2530 M1<br>RX2540 M1<br>RX2560 M1<br><br>Combined successor<br>RX4770 M1 | <b>2.</b>    | <b>Number of Sockets</b><br>1: 1-way<br><b>2: 2-way</b><br>4: 4-way<br>8: 8-way<br>9: 16-way<br>or more   |
|  | <b>Blade server</b><br>2500 class                                       | BX920 S4<br>BX924 S4   | BX2560 M1<br>BX2580 M1   | <b>3.</b>   | <b>Platform Type</b><br>0: Placeholder<br>1: Placeholder<br>2: Placeholder<br>3: Intel E3 family<br>4: Placeholder<br><b>5: Intel E5 family</b><br>6: Placeholder<br>7: Intel E7 family<br>9: Placeholder |
|  | <b>Multi node server</b><br>2500 class                                  | CX250 S2<br>CX270 S2   | CX2550 M1<br>CX2570 M1   | <b>4.</b>  | <b>Feature Set</b><br>10: Subentry 1<br>20: Subentry 2<br>30: Entry 1<br><b>40: Entry 2</b><br>50: Midrange 1<br>60: Midrange 2<br>70: High End 1<br>80: High End 2<br>90: Reserved (tbd)                 |
|  |   |  |  | <b>5.</b>  | <b>Generation</b><br>"M": Model<br>+ 1 case of next technology generation; The generation suffix rises incrementally with each new processor generation   |



New Naming:  
RX2540 M1

# FUJITSU Server PRIMERGY Tower and Rack Systems

## The efficient, flexible foundation for business growth

Quickly changing business requirements need an IT infrastructure that guarantees maximum productivity, cost efficiency and agility. Be it a department server or a large data center solution, FUJITSU server PRIMERGY systems and solutions can meet these requirements for companies of all sizes and provide a cost-effective and adaptable range of services.

### Tower



| Type | Specifications           | Products   | Processor        | Memory                                | Storage*                    | Ordercodes / Comments                       |  |
|------|--------------------------|--|------------------|---------------------------------------|-----------------------------|---|--|
| Mono | PSU Redundancy: None     | Size / max. scalability: Standard / 4 HDDs & 32 GB RAM | <b>TX1310 M1</b> | Intel® Xeon® E3v3, Core i3®, Pentium® | 2 – 32 GB<br>4 DIMM DDR3    | 4 x 3.5" SATA                               |  |
|      |                          | Ultra-compact / 6 HDDs & 32 GB RAM                     | <b>TX1320 M1</b> | Intel® Xeon® E3v3, Core i3, Pentium®  | 2 – 32 GB<br>4 DIMM DDR3    | 2 x 3.5" SATA or<br>4+2 x 2.5" SATA/SAS     |  |
|      | PSU Redundancy: Required | Max. scalability: 8 HDDs & 32 GB RAM                   | <b>TX1330 M1</b> | Intel® Xeon® E3v3, Core i3®, Pentium® | 4 – 32 GB<br>4 DIMM DDR3    | 4 x 3.5" SATA/SAS or<br>8 x 2.5" SATA/SAS   |  |
|      |                          | 16 HDDs & 96 GB RAM                                    | <b>TX150 S8</b>  | Intel® Xeon® E5-1400, E5-2400         | 2 – 96 GB<br>6 DIMM DDR3    | 8 x 3.5" SATA/SAS or<br>16 x 2.5" SATA/SAS  |  |
| Dual | Scalability              | High (up to 6 PCI slots / 24 HDDs)                     | <b>TX2540 M1</b> | 1-2 x Intel® Xeon® E5-2400v2          | 4 – 192 GB<br>12 DIMM DDR3  | 8 x 3.5" SATA/SAS or<br>24 x 2.5" SATA/SAS  |  |
|      |                          | Maximum (10 x PCI slots / 24 x HDDs, 2 x GPGPU)        | <b>TX300 S8</b>  | 1-2 x Intel® Xeon® E5-2600v2          | 4 – 1532 GB<br>24 DIMM DDR3 | 12 x 3.5" SATA/SAS or<br>24 x 2.5" SATA/SAS |  |

### Rack



|      |                              |  |                                       |                              |  |   |
|------|------------------------------|--|---------------------------------------|------------------------------|--|---|
| Mono | 1U (3 x PCI slots, 4 x HDDs) | <b>RX1330 M1</b>                                   | Intel® Xeon® E3v3, Core i3®, Pentium® | 2 – 32 GB<br>4 DIMM DDR3     | 4 x 3.5" SATA/SAS or<br>10 x 2.5" SATA/SAS |   |
| Dual | Max. performance             | Essential performance                              | <b>RX2520 M1</b>                      | 1-2 x Intel® Xeon® E5-2400v2 | 4 – 192 GB<br>12 DIMM DDR3                 | 12 x 3.5" SATA/SAS or<br>16 x 2.5" SATA/SAS |
|      |                              | 1U / high (4 x PCI slots, 8 x HDDs)                | <b>RX200 S8</b>                       | 1-2 x Intel® Xeon® E5-2600v2 | 4 – 1532 GB<br>24 DIMM DDR3                | 4 x 2.5" SATA/SAS or<br>8 x 2.5" SATA/SAS   |
|      |                              | 2U / very high (7 x PCI slots, 16 x HDDs)          | <b>RX300 S8</b>                       | 1-2 x Intel® Xeon® E5-2600v2 | 4 – 1532 GB<br>24 DIMM DDR3                | 6 x 3.5" SATA/SAS or<br>16 x 2.5" SATA/SAS  |
|      |                              | 2U / very high (8 x PCI slots, up to 24 x HDDs**)  | <b>RX2540 M1</b>                      | 1-2 x Intel® Xeon® E5-2600v3 | 4 – 1532 GB**<br>24 DIMM DDR4              | 12x 3.5" SATA/SAS or<br>24" x 2.5" SATA/SAS |
| Quad | Optimized for                | 4U / maximum (10 x PCI slots, 24x HDDs, 2 x GPGPU) | <b>RX350 S8</b>                       | 1-2 x Intel® Xeon® E5-2600v2 | 4 – 1532 GB<br>24 DIMM DDR3                | 12 x 3.5" SATA/SAS or<br>24 x 2.5" SATA/SAS |
|      |                              | OLTP and in-memory solutions                       | <b>RX4770 M1</b>                      | 2-4 Intel® Xeon® E7-4800v2   | 8 – 6144 GB<br>96 DIMM DDR3                | 8 x 2.5" SAS and/or<br>4 x PCIe SSD         |

\*Most RX/TX systems are available with 2.5" SATA/SAS SSD storage drives | \*\* available 02/2015

# FUJITSU Server PRIMERGY Blade Systems

Converged infrastructure platform designed to maximize time and efforts

## PRIMERGY BX400

- 6U chassis for 19-inch racks or floorstand version
- 8 slots for server- or storage blades
- 4 slots for connection blades



| Server & Storage Blades | Specifications       | Product                    | Processor | Controller (onboard)          | Storage / Tape           | Ordercodes / Comments                                      |  |
|-------------------------|----------------------|----------------------------|-----------|-------------------------------|--------------------------|--|--|
| Server Blade            | Memory expandability | 4 - 768 GB (12 DIMM DDR3)  | BX920 S4  | 1-2 x Intel® Xeon® E5-2400 v2 | 2 x 10 Gb/s CNA Ethernet | 2 x 2.5" SAS/SATA (hot plug)                               |  |
|                         |                      | 4 - 1532 GB (24 DIMM DDR3) | BX924 S4  | 1-2 x Intel® Xeon® E5-2600 v2 | 2 x 10 Gb/s CNA Ethernet | 2 x 2.5" SAS/SATA SSD, or 1 x 3.5" SATA HDD (non hot-plug) |  |
|                         |                      | 8 - 1024 GB (16 DIMM DDR4) | BX2560 M1 | 1-2 x Intel® Xeon® E5-2600 v3 | 2 x 10 Gb/s CNA Ethernet | 2 x 2.5" SAS/SATA SSD, or 2 x 3.5" SAS/SATA HDD (hot-plug) |  |
| Storage Blade Disk      | Type                 | Direct-attached storage    | SX960 S1  | -                             | -                        | 10 x 2.5" SATA/SAS (hot-plug)                              |  |
|                         |                      | Centralized storage        | SX980 S2  | -                             | -                        | 10 x 2.5" SAS (hot-plug)                                   |  |

## PRIMERGY BX900 S2


- 10U chassis for 19-inch racks
- 18 slots for server- or storage blades
- 8 slots for connection blades





| Connection Blades | Specifications                | Product  | Description   | Max. nr. per BX400 / BX900   | Ordercodes / Comments |  |
|-------------------|-------------------------------|--|---|--|-----------------------|--|
| Ethernet          | Ports (down- / uplink)        | 18 x 10 Gbit/s, 18 x 1/10 Gbit/s                       | Ethernet Switch/IBP 10 Gbit/s 18/8                                  | Layer 2+, 10 Gbit/s Ethernet Switch or Intelligent Blade Panel (IBP)               | 4 / 6                 |  |
|                   |                               | 36 x 1 Gbit/s, 12 x 1 Gbit/s                           | Ethernet Switch/IBP 1 Gbit/s 36/12                                  | Layer 2+, 1 Gbit/s Ethernet Switch or Intelligent Blade Panel (IBP)                | 4 / 8                 |  |
|                   |                               | 36 x 1 Gbit/s, 8 x 1 Gbit/s, 2 x 10 Gbit/s             | Ethernet Switch/IBP 1 Gbit/s 36/8+2                                 | Layer 2+, 1/10 Gbit/s Ethernet Switch or Intelligent Blade Panel (IBP)             | 4 / 8                 |  |
| FCoE              | Ports (down- / uplink)        | 18 x 10 Gbit/s, 8 x 10 Gbit/s + 2x 40 Gbit/s           | Ethernet Switch/IBP 10/40 Gbit/s 18/8+2                             | 10/40 Gbit/s Ethernet Switch, Intelligent Blade Panel (IBP) or End Host Mode (EHM) | 4 / 6                 |  |
|                   |                               | 18 x 10 Gbit/s Eth, 6 x 10 Gbit/s Eth, 6 x 8 Gbit/s FC | Ethernet Fabric (BROCADE VDX 2730)                                  | 10 Gbit/s Ethernet Data Center Bridging Switch with native Fibre Channel ports     | 4 / 6                 |  |
|                   |                               | 16 x 10 Gbit/s, 8 x 10 Gbit/s                          | Ethernet FEX (Cisco Nexus B22F)                                     | Cisco Nexus B22 Series Blade Fabric Extender                                       | 4 / 4                 |  |
| Fibre Channel     | Ports (down- / uplink)        | 18 x 8 Gbit/s, 8 x 8 Gbit/s                            | 8 Gbit/s Fibre Channel Switch                                       | Fibre Channel Switch (Brocade 5450) upgradable to 26 ports                         | 3 / 4                 |  |
|                   |                               | 18 x 8 Gbit/s, 18 x 8 Gbit/s                           | Fibre Channel Pass Thru   | 8 Gbit/s Pass-Thru Fibre Channel Module  | 3 / 4                 |  |
| SAS               | 18 x 6 Gbit/s, 6 x 6 Gbit/s   | SAS Connection Blade                                   | 6 Gbit/s SAS Switch to connect e.g. PRIMERGY SX980 storage blade(s) | 2 / 2  |                       |  |
| IB                | 18 x 56 Gbit/s, 8 x 56 Gbit/s | InfiniBand Connection Blade                            | Top performance for highly-demanding network connections            | 1 / 3  |                       |  |

# FUJITSU Server PRIMERGY Scale-out Systems


## Scale-out Smart for HPC and Cloud Computing

| Usage Scenario Type  | Specifications        | Products                              | Processor                        | Memory  | Co-processor / GPGPU support  | Ordercodes / Comments  |
|--|-----------------------|---------------------------------------|----------------------------------|---|---|--|
| <b>PRIMERGY CX400 M1</b> <ul style="list-style-type: none"> <li>2U chassis for 19-inch racks</li> <li>Slots for 2-4 computing nodes</li> <li>Up to 24 x 2.5-inch storage drives</li> </ul>  | <b>HPC, scale-out</b> | <b>Co-processor support / density</b> | 1U, no co-processor support      |   |   |  |
|  |                       |                                       | 2U, co-processor & GPGPU support | <b>CX2550 M1</b><br>1-2 x Intel® Xeon® E5-2600 v3<br>16 – 1024 GB**<br>16 DIMM DDR4 | <b>CX2570 M1</b><br>1-2 x Intel® Xeon® E5-2600 v3<br>16 – 1024 GB**<br>16 DIMM DDR4 | –<br><br>2x GPGPU / co-processor support (Nvidia Tesla™ K-series, Nvidia Grid series, Intel® Xeon® Phi™) |

| Usage Scenario Type   | Specifications                   | Products                                 | Processor                                     | Memory                      | Expansion cards   | Ordercodes / Comments |
|---|----------------------------------|--|---|-----------------------------|---|-----------------------|
| <b>PRIMERGY CX420 S1</b> <ul style="list-style-type: none"> <li>Out-of-the-box dual node cluster for Microsoft Windows Server 2012</li> <li>2U chassis for 19-inch racks</li> <li>Up to 12 x 3.5-inch storage drives</li> </ul>   | <b>High availability cluster</b> | <b>Strong performance, cluster ready</b> | <b>CX272 S1</b><br>1-2 x Intel® Xeon® E5-2600 | 16 – 256 GB<br>16 DIMM DDR3 | 1 x fix for SAS HBA,<br>1 x for any released card,<br>1 x for optional 10 GbE |                       |

# FUJITSU Server PRIMEQUEST

## Scalable platform for business-critical and mission-critical workloads


| Type   | Specifications | Products                | Processor / Memory                            | Storage / PCI                   | Mission-Critical Features   | Ordercodes / Comments |
|--|----------------|-------------------------|---|---------------------------------|---|-----------------------|
| <b>FUJITSU Server PRIMEQUEST</b>  | <b>Quad</b>    | <b>PRIMEQUEST 2400E</b> | 4 x Intel® Xeon® E7 v2<br>Max 6TB / 96 DIMM   | 16 x 2.5" /<br>16-56 PCIe slots | Yes – Reserved System Board, Flexible I/O, Dynamic Reconfiguration, red. MMB, hot-plug PCIe |                       |
|  | <b>Octo</b>    | <b>PRIMEQUEST 2800E</b> | 8 x Intel® Xeon® E7 v2<br>Max 12TB / 192 DIMM | 8 x 2.5" /<br>16 PCIe slots     | No  |                       |
|  |                | <b>PRIMEQUEST 2800B</b> | 8 x Intel® Xeon® E7 v2<br>Max 12TB / 192 DIMM | 24 x 2.5" /<br>16-56 PCIe slots |   |                       |

# IT Infrastructure Solutions

FUJITSU IT Infrastructure Solutions are complete, pre-configured and pre-installed IT infrastructures which contain all HW and SW components needed to start work. Customers avoid any implementation risk thanks to entire pre-tested deliveries. Upon arrival just turn it on, spend some minutes with its setup and you are ready to work.


## FUJITSU Cluster-in-a-box

- Business continuity with nearly no downtime
- Easy buying
- Ready-to work a few minutes after receipt
- No implementation risk
- Optionally leverage the benefits of virtualization

| Server node extensibility   | Intended for                | based on            | Ethernet switch | Description                       | Storage extensibility  | Ordercodes / Comments                            |  |
|---|-----------------------------|---------------------|-----------------|-----------------------------------|--|--|--|
| <b>FUJITSU Cluster-in-a-box</b><br><br> | <b>Fix 2 server cluster</b> | physical loads      | <b>CX420-S</b>  | Switchless cluster (integrated)   | two nodes, each with: 2 x Intel® Xeon® E5-2609 (4 core), 16 GB memory, 3 x 1 Gbit/s Ethernet, 2 x SAS Expander, Windows® Server® 2012 R2 Standard, shared disks: 4 x 1TB NL-SAS  | additional disks with FUJITSU Storage ETERNUS JX |  |
|   |                             | virtual loads       | <b>CX420-M</b>  | Switchless cluster (integrated)   | two nodes, each with: 2 x Intel® Xeon® E5-2630 (6 core), 64 GB memory, 7 x 1 Gbit/s Ethernet, 2 x SAS (Expander), Windows® Server® 2012 R2 Datacenter, shared disks: 4 x 1,2TB HDD SAS   | additional disks with FUJITSU Storage ETERNUS JX |  |
|   |                             | virtual loads       | <b>BX400-M</b>  | 2x 1 Gbit/s Switch 36/8+2         | two server blades, one storage blade: 2 x Intel® Xeon® E5-2430v2 (4 core), 64 GB memory, 8 x (2x 1 Gbit/s, 4x 10 Gbit/s, 2x 6Gbit/s) Ethernet, 2 x SAS ConBlade, Windows® Server® 2012 R2 Datacenter, shared disks: 6 x 1,2TB HDD SAS                  | additional disks with FUJITSU Storage ETERNUS JX |  |
|   | <b>Configurable</b>         | virtual or physical | <b>CX420-C</b>  | Switchless cluster (integrated)   | two nodes, each with: 2 x Intel® Xeon® E5-2430 (6 core), 8-256 GB memory, up to 9 x (7x 1 Gbit/s, 2x 10 Gbit/s) Ethernet, 2 x SAS Expander, Windows® Server® 2012 R2 Standard or Datacenter, shared disks: 10 x 600 GB SAS                             | additional disks with FUJITSU Storage ETERNUS JX |  |
|   |                             |                     | <b>BX400-C</b>  | 2x 1Gbit/s or 2x 10 Gbit/s Switch | two server blades, one storage blade: 2 x Intel® Xeon® E5-2400v2 family (6 core), 8-768 GB memory, 8 x (2x 1 Gbit/s, 4x 1 Gbit/s, 2x 6Gbit/s) Ethernet, 2 SAS ConBlade, Windows® Server® 2012 R2 Standard or Datacenter, shared disks: 10 x 900 GB SAS | additional disks with FUJITSU Storage ETERNUS JX |  |

## Fujitsu vShape reference architectures for virtualization and private cloud

- Tested and synchronized
- Ready-to-use - simple and fast deployment
- Flexibility to scale as needs and demands grow or change
- Single source for the complete solution including partner products

| Workload   | Hypervisor  | Key components  | Options   | Use Cases  | Ordercodes / Comments  |  |
|--|---|---|---|--|--|--|
| <b>Fujitsu vShape</b><br><br> | 25 Virtual Machines<br>50 Virtual Machines<br>100 Virtual Machines<br>200 Virtual Machines<br>25 Desktop Machines | Microsoft Hyper-V or VMware vSphere<br><br><br>VMware Horizon | PRIMERGY RX 300 S8 servers<br>ETERNUS DX 100 S3 or NetApp FAS 25xx storage and Brocade switches | <ul style="list-style-type: none"> <li>■ 25 Desktop Machines</li> <li>■ High Availability</li> <li>■ Backup</li> <li>■ Disaster Recovery</li> <li>■ Additional Software</li> </ul> | <ul style="list-style-type: none"> <li>■ Business-critical applications</li> <li>■ Test &amp; development environments</li> <li>■ Desktop virtualization</li> <li>■ IT services</li> <li>■ Vertical solutions, e.g. healthcare, education, public, manufacturing, media,...</li> </ul> |  |

## Fujitsu RapidStructure

Your fast track towards applications optimized infrastructures

RapidStructure simplifies the design of IT projects. Application based reference architectures, which can be adapted to individual customer requirements, enable the rapid, straightforward and risk-free realization of IT projects. Based on experiences from numerous customer projects, these configurations are continually updated and expanded. RapidStructure covers current topics like collaboration and communication. Additionally, helpful instructions and best practice information support the implementation. By using the configuration tools (e. g. SystemArchitect), the components required for the project can be quickly adapted to meet individual customer needs. RapidStructure reference architectures are based on industry standard products and established applications from our software partners.

Customer Benefits at a glance:

- Fast, easy and risk-free design of IT projects
- Adaptable and up-to-date reference architectures
- Benefit from comprehensive project experience

→ <https://partners.ts.fujitsu.com/RapidStructure> (Partners only)

|                               | Use Cases   | Application  | Number of users   | Key components   | Options  | Ordercodes / Comments |
|-------------------------------|---|--|---|--|--|-----------------------|
| <b>Fujitsu RapidStructure</b> | <ul style="list-style-type: none"> <li>Collaboration</li> <li>E-Mail services and Groupware</li> <li>Company Communication</li> </ul> | <ul style="list-style-type: none"> <li>Microsoft® Sharepoint 2013</li> <li>Microsoft® Exchange 2013</li> <li>Microsoft® Lync 2013</li> </ul> | <ul style="list-style-type: none"> <li>250 concurrent users</li> <li>500 mailboxes</li> <li>1000 users</li> </ul> | <ul style="list-style-type: none"> <li>■ FUJITSU Server PRIMERGY RX or TX systems</li> <li>■ Microsoft® Windows Server® 2012 R2</li> <li>■ MS SQL Server / Express</li> <li>■ Application</li> </ul> | <ul style="list-style-type: none"> <li>■ Resizing / Scalability</li> <li>■ Media Gateway for Lync</li> <li>■ Migration for Exchange</li> <li>■ Backup options</li> </ul> |                       |



# FUJITSU Storage Products

## ETERNUS – Business-centric Storage

In the storage area you can rely on a well synchronized portfolio – Business-centric storage at its best from a single provider with more than 50 years experience in storage. Fujitsu provides ETERNUS DX disk systems, ETERNUS LT tape libraries and ETERNUS CS data protection appliances, which allow customers to flexibly manage their increasing data volumes at less costs of growth, to benefit from a very reliable architecture as well from radically simplified operation.

### FUJITSU Storage

#### Disk Storage Systems

Combining leading performance architecture with automated quality of service management the ETERNUS DX series aligns storage resources with business priorities, thus enabling high system utilization and consolidation.

#### Tape Storage Systems

The affordable ETERNUS LT tape systems offer impressive scalability and reliability. They meet SMB requirements and are certified for market-leading backup and archiving software.

#### Data Protection Appliances

ETERNUS CS200c is an appliance with integrated backup software, ETERNUS CS800 offers deduplication for cost-efficient backup-to-disk and ETERNUS CS8000 provides enterprises with complete consolidation of backup and archiving infrastructures.

### FUJITSU Storage ETERNUS

#### ETERNUS DX Family



Leading performance increases system utilization and consolidation resulting in a faster ROI

#### ETERNUS LT Family



Highly automated, simple and remote operation without any demand for local expert skills

#### ETERNUS CS Family



ETERNUS CS data protection appliances radically simplify backup and archive infrastructures by aligning storage resources with business priorities.

# FUJITSU ETERNUS Storage

## Online storage made easy

### CELVIN NAS server



| Specifications  | Product      | Max. capacity | Required interface                 | Functions   | Ordercodes / Comments |
|---|--------------|---------------|------------------------------------|---|-----------------------|
| <b>Rack</b> <ul style="list-style-type: none"> <li>No</li> <li>Yes</li> </ul> | <b>Q703</b>  | 8 TB          | Gigabit Ethernet / USB 3.0 / eSATA | VMware, Citrix, Hyper-V virtualization; FTP, file, web, printer, SQL and multimedia server; Remote access and system management |                       |
|   | <b>Q802</b>  | 12 TB         |                                    |   |                       |
|   | <b>Q902</b>  | 18 TB         |                                    |   |                       |
|   | <b>QR802</b> | 12 TB         |                                    |   |                       |

### ETERNUS JX JBOD systems



| Specifications   | Product             | Functions  | Ordercodes / Comments |
|--|---------------------|--|-----------------------|
| <b>Focus</b> <ul style="list-style-type: none"> <li>High performance</li> <li>High capacity</li> </ul> | <b>ETERNUS JX40</b> | Max. 72 TB capacity;<br>Hard disks: 1 - 144 SAS and SATA, 2.5" drives mixable in up to 6 shelves |                       |
|  | <b>ETERNUS JX60</b> | Max. 960 TB capacity;<br>Hard disks: 1 - 240 SAS, 3.5" drivers mixable in up to 4 shelves        |                       |


### ETERNUS DX disk storage systems



| Specifications   | Product                           | Max. drives                                 | Host interface   | Ordercodes / Comments  |  |  |
|--|-----------------------------------|---|------------------|--|--|--|
| <b>Remote</b> <ul style="list-style-type: none"> <li>None</li> <li>Required</li> </ul> | <b>connectivity / scalability</b> | max. 4 host ports / 24 drives (96 TB)       | <b>DX60 S2</b>   | 24 x SAS / Nearline SAS  | Up to 4 Gbit/s FC / 1 Gbit/s iSCSI / 3 Gbit/s SAS                                |  |
|  |                                   | max. 8 host ports / 144 drives (576 TB)     | <b>DX100 S3</b>  | 120 (3.5") / 120 (2.5") x SAS / Nearline SAS / Enterprise SSDs               | 10 Gbit/s FCoE / 10/1 Gbit/s iSCSI, 16/8/4 Gbit/s FC, File: 10/1 Gbit/s Ethernet |  |
|  | <b>connectivity / scalability</b> | max. 8 host ports / 264 drives (1056 TB)    | <b>DX200 S3</b>  | 120 (3.5") / 240 (2.5") x SAS / Nearline SAS / Enterprise SSDs               | 10 Gbit/s FCoE / 10/1 Gbit/s iSCSI, 16/8/4 Gbit/s FC, File: 10/1 Gbit/s Ethernet |  |
|  |                                   | max. 16 host ports / 528 drives (2112 TB)   | <b>DX500 S3</b>  | 240 (3.5") / 480 (2.5") x SAS / Nearline SAS / Enterprise SSDs               | 10 Gbit/s FCoE / 10/1 Gbit/s iSCSI, 16/8/4 Gbit/s FC, File: 10/1 Gbit/s Ethernet |  |
|  |                                   | max. 32 host ports / 1056 drives (4224 TB)  | <b>DX600 S3</b>  | 480 (3.5") / 960 (2.5") x SAS / Nearline SAS / Enterprise SSDs               | 10 Gbit/s FCoE / 10/1 Gbit/s iSCSI, 16/8/4 Gbit/s FC, File: 10/1 Gbit/s Ethernet |  |
|  |                                   | max. 128 host ports / 3072 drives (6144 TB) | <b>DX8700 S2</b> | Up to 3,072 x SSD, SAS and Nearline SAS in mixed configuration (3.5" / 2.5") | Up to 16 Gbit/s FC / 10 Gbit/s FCoE, 10/1 Gbit/s iSCSI                           |  |





# FUJITSU ETERNUS Storage

## Online storage made easy

|  |  |   |  |  |  |   |                                     |
|--|--|---|--|--|--|---|-------------------------------------|
| <b>ETERNUS SF - Flexible Data Management</b>   | <p><b>Description</b></p> <p>The ETERNUS SF storage management software is the uniform management solution for the entire ETERNUS DX series. All essential operations for storage resource management, monitoring, reporting, tiered storage, performance management, disaster resilience and business continuity are integrated. The uniform management for the entire storage infrastructure covers all ETERNUS DX disk storage systems from entry-level through the high-end as well as virtualized server infrastructures.</p>   | <p><b>ETERNUS SF at a glance</b></p> <ul style="list-style-type: none"> <li>■ Management of all infrastructure devices based on a unified view</li> <li>■ Visualization of the relations between storage, network and physical servers or virtual servers</li> <li>■ Early detection and elimination of performance issues through performance monitoring</li> <li>■ Reduced initial system infrastructure through thin provisioning</li> <li>■ Fault management with support for fault resolution vHardware investment optimization through automated storage tiering</li> <li>■ Reduced storage system power consumption</li> <li>■ Central management for local and remote replication</li> <li>■ Enhanced business continuity with transparent failover</li> <li>■ Automated Quality-of-Service management</li> </ul> |  |  |  |   | <p><b>Ordercodes / Comments</b></p> |
| <b>ETERNUS Snapshot Manager - Efficient Snapshot Management</b>  | <p><b>Description</b></p> <p>The ETERNUS Snapshot Manager (ESM) is a feature rich software to manage and catalog application-consistent hardware snapshots of ETERNUS DX arrays without scripting. The software offers granular recovery of data across physical and virtual environments to minimize downtime and enhance business productivity.</p>  | <p><b>ETERNUS SF at a glance</b></p> <ul style="list-style-type: none"> <li>■ Manages and catalogs application-consistent hardware snapshots of ETERNUS DX arrays without scripting</li> <li>■ Application-consistency increases protection for mission-critical data with low production impact</li> <li>■ Snapshot support for industry's broadest application and file systems eliminates multiple management and operational costs</li> <li>■ Granular and consistent recovery of applications and files speeds up and simplifies recovery process</li> </ul>   |  |  |  |   | <p><b>Ordercodes / Comments</b></p> |
| <b>ETERNUS CD10000 Hyper-scale storage appliance</b>  | <p><b>Description</b></p> <p>The FUJITSU Storage ETERNUS CD10000 enables you to take care of extreme data growth yourself – and with ease. This hyperscale, software-defined appliance is designed for all environments with huge online data volumes and offers almost unlimited scalability at consistently high levels of performance. The ETERNUS CD10000 combines Ceph open source storage software, Fujitsu management enhancements and Fujitsu enterprise-class hardware with end-to-end maintenance services in a complete solution that is ready to use right “out of the box.”</p> | <p><b>At a glance</b></p> <ul style="list-style-type: none"> <li>■ Nearly unlimited and flexible scalability of capacity and performance</li> <li>■ Fault tolerance and self-healing by design</li> <li>■ Based on Ceph Open Source storage software</li> <li>■ Supports object, file and block storage</li> <li>■ Appliance with end-to-end maintenance</li> <li>■ High performance through high parallelism of read and write operations</li> </ul>   | <p><b>Host Connectivity Options</b></p> <p>Unified: Block, File and Object</p> | <p><b>Software Version</b></p> <p>Based on Open Source Ceph storage software</p> | <p><b>Hardware platform</b></p> <p>Standard PRIMERGY server and network components</p> | <p><b>Basic configuration</b></p> <p>4x Basic node<br/>+ 1x Management node</p> | <p><b>Ordercodes / Comments</b></p> |

# FUJITSU ETERNUS Storage

## Data Protection made easy

| <b>ETERNUS CS200c Integrated Backup Appliance</b><br>   | <table border="1"> <thead> <tr> <th colspan="2">Specifications</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Usable capacity</td> <td>fixed 2-24 TB</td> </tr> <tr> <td>scalable 6-96 TB</td> </tr> </tbody> </table>  | Specifications |  | Usable capacity                      | fixed 2-24 TB                         | scalable 6-96 TB      | <table border="1"> <thead> <tr> <th>Product</th> </tr> </thead> <tbody> <tr> <td>CS200c Entry</td> </tr> <tr> <td>CS200c Scale</td> </tr> </tbody> </table>     | Product                                | CS200c Entry                  | CS200c Scale  | <table border="1"> <thead> <tr> <th>Description</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> <li>All-in-one backup appliance provides small and mid-sized environments with a customizable, self-contained solution for professional backup</li> <li>CommVault Appliance Foundation software is included and licensed for complete capacity</li> </ul> </td> </tr> </tbody> </table> | Description | <ul style="list-style-type: none"> <li>All-in-one backup appliance provides small and mid-sized environments with a customizable, self-contained solution for professional backup</li> <li>CommVault Appliance Foundation software is included and licensed for complete capacity</li> </ul> | <table border="1"> <thead> <tr> <th>Data Protection Functions</th> </tr> </thead> <tbody> <tr> <td>Backup &amp; recovery, deduplication, archiving, application support, snapshot, replication, tape management</td> </tr> </tbody> </table>                       | Data Protection Functions       | Backup & recovery, deduplication, archiving, application support, snapshot, replication, tape management  | <table border="1"> <thead> <tr> <th>Ordercodes / comments</th> </tr> </thead> <tbody> <tr> <td></td> </tr> <tr> <td></td> </tr> </tbody> </table>   | Ordercodes / comments   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|--|---|----------------|--|--------------------------------------|---------------------------------------|-----------------------|---|--|-------------------------------|---|--|-------------|--|--|---------------------------------|---|---|---|--|---|---|-----------------------------|---|--|---|---|-----------------------|---|---|----|---|-------------|---|---|--|--|---|---|-----------------------|--|--|--|--|
| Specifications   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Usable capacity  | fixed 2-24 TB   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  | scalable 6-96 TB  |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Product  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| CS200c Entry   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| CS200c Scale   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Description  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| <ul style="list-style-type: none"> <li>All-in-one backup appliance provides small and mid-sized environments with a customizable, self-contained solution for professional backup</li> <li>CommVault Appliance Foundation software is included and licensed for complete capacity</li> </ul> |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Data Protection Functions  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Backup & recovery, deduplication, archiving, application support, snapshot, replication, tape management   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Ordercodes / comments  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| <b>ETERNUS CS800 data protection appliance</b><br>  | <table border="1"> <thead> <tr> <th colspan="2">Specifications</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Usable capacity after data reduction</td> <td>4 -24 TB</td> </tr> <tr> <td>16 - 320 TB</td> </tr> </tbody> </table>   | Specifications |  | Usable capacity after data reduction | 4 -24 TB                              | 16 - 320 TB           | <table border="1"> <thead> <tr> <th>Product</th> </tr> </thead> <tbody> <tr> <td>CS800 S5 Entry</td> </tr> <tr> <td>CS800 S5 Scale</td> </tr> </tbody> </table> | Product                                | CS800 S5 Entry                | CS800 S5 Scale  | <table border="1"> <thead> <tr> <th>Key Feature</th> </tr> </thead> <tbody> <tr> <td>Deduplication</td> </tr> </tbody> </table>  | Key Feature | Deduplication  | <table border="1"> <thead> <tr> <th>Data Protection Functions incl.</th> </tr> </thead> <tbody> <tr> <td>Disk-based backup and recovery, replication, path-to-tape, multiprotocol support (NAS, VTL, OST), backup target in the cloud</td> </tr> </tbody> </table> | Data Protection Functions incl. | Disk-based backup and recovery, replication, path-to-tape, multiprotocol support (NAS, VTL, OST), backup target in the cloud  | <table border="1"> <thead> <tr> <th>Usability</th> </tr> </thead> <tbody> <tr> <td>Easy setup in just a few steps, automated operation, simple user interface for maintenance and analytics</td> </tr> </tbody> </table>                    | Usability   | Easy setup in just a few steps, automated operation, simple user interface for maintenance and analytics | <table border="1"> <thead> <tr> <th>Ordercodes / comments</th> </tr> </thead> <tbody> <tr> <td></td> </tr> <tr> <td></td> </tr> </tbody> </table> | Ordercodes / comments   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Specifications   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Usable capacity after data reduction   | 4 -24 TB  |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  | 16 - 320 TB   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Product  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| CS800 S5 Entry   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| CS800 S5 Scale   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Key Feature  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Deduplication  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Data Protection Functions incl.  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Disk-based backup and recovery, replication, path-to-tape, multiprotocol support (NAS, VTL, OST), backup target in the cloud   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Usability  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Easy setup in just a few steps, automated operation, simple user interface for maintenance and analytics   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Ordercodes / comments  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| <b>ETERNUS CS8000 V6 Unified Data Protection Appliance</b><br>   | <table border="1"> <thead> <tr> <th colspan="2">Specifications</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Architecture type</td> <td>scale-up 7 TB - 1.3 PB, up to 30 TB/h</td> </tr> <tr> <td>single-site</td> </tr> <tr> <td>split-site</td> </tr> <tr> <td>scale-out 7 TB - 22 PB, up to 150 TB/h</td> </tr> <tr> <td colspan="2">Cache mirror</td> </tr> </tbody> </table>                          | Specifications |  | Architecture type                    | scale-up 7 TB - 1.3 PB, up to 30 TB/h | single-site           | split-site  | scale-out 7 TB - 22 PB, up to 150 TB/h | Cache mirror                  |   | <table border="1"> <thead> <tr> <th>Product</th> </tr> </thead> <tbody> <tr> <td>CS8200</td> </tr> <tr> <td>CS8400</td> </tr> <tr> <td>CS8800</td> </tr> </tbody> </table>   | Product     | CS8200   | CS8400   | CS8800                          | <table border="1"> <thead> <tr> <th>Backup</th> </tr> </thead> <tbody> <tr> <td>                     Host connectivity:<br/>                     VTL, VTL with Dedup (FC 16 Gb / FICON 8 Gb)                 </td> </tr> <tr> <td>                     Virtual tape drives:<br/>                     32 - 64 (CS8200) /<br/>                     32 - 1280 (CS8400, CS8800)                 </td> </tr> <tr> <td>Back-end tape support</td> </tr> </tbody> </table> | Backup  | Host connectivity:<br>VTL, VTL with Dedup (FC 16 Gb / FICON 8 Gb) | Virtual tape drives:<br>32 - 64 (CS8200) /<br>32 - 1280 (CS8400, CS8800)                                 | Back-end tape support   | <table border="1"> <thead> <tr> <th>Archive / second-tier files</th> </tr> </thead> <tbody> <tr> <td>                     Host connectivity:<br/>                     NAS (NFS / CIFS), 1GbE or 10GbE                 </td> </tr> <tr> <td>                     Number of Files:<br/>                     2 Billion                 </td> </tr> <tr> <td>Back-end tape support with CS8400, CS8800</td> </tr> </tbody> </table> | Archive / second-tier files | Host connectivity:<br>NAS (NFS / CIFS), 1GbE or 10GbE | Number of Files:<br>2 Billion  | Back-end tape support with CS8400, CS8800 | <table border="1"> <thead> <tr> <th>Ordercodes / comments</th> </tr> </thead> <tbody> <tr> <td></td> </tr> <tr> <td></td> </tr> </tbody> </table> | Ordercodes / comments |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Specifications   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Architecture type  | scale-up 7 TB - 1.3 PB, up to 30 TB/h   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  | single-site   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  | split-site  |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  | scale-out 7 TB - 22 PB, up to 150 TB/h  |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Cache mirror   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Product  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| CS8200   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| CS8400   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| CS8800   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Backup   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Host connectivity:<br>VTL, VTL with Dedup (FC 16 Gb / FICON 8 Gb)  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Virtual tape drives:<br>32 - 64 (CS8200) /<br>32 - 1280 (CS8400, CS8800)   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Back-end tape support  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Archive / second-tier files  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Host connectivity:<br>NAS (NFS / CIFS), 1GbE or 10GbE  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Number of Files:<br>2 Billion  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Back-end tape support with CS8400, CS8800  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Ordercodes / comments  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| <b>ETERNUS LT tape storage systems</b><br>  | <table border="1"> <thead> <tr> <th colspan="2">Specifications</th> </tr> </thead> <tbody> <tr> <td rowspan="5">No of slots / max. capacity (native)</td> <td>1 slot / up to 2.5 TB</td> </tr> <tr> <td>8 slots / up to 20 TB</td> </tr> <tr> <td>12 - 24 slots / up to 60 TB</td> </tr> <tr> <td>24 - 48 slots / up to 120 TB</td> </tr> <tr> <td>18 - 160 slots / up to 400 TB</td> </tr> </tbody> </table> | Specifications |  | No of slots / max. capacity (native) | 1 slot / up to 2.5 TB                 | 8 slots / up to 20 TB | 12 - 24 slots / up to 60 TB   | 24 - 48 slots / up to 120 TB           | 18 - 160 slots / up to 400 TB | <table border="1"> <thead> <tr> <th>Product</th> </tr> </thead> <tbody> <tr> <td>LTO Desktop</td> </tr> <tr> <td>LT20 S2</td> </tr> <tr> <td>LT40S2</td> </tr> <tr> <td>LT60S2</td> </tr> <tr> <td>LT260</td> </tr> </tbody> </table> | Product  | LTO Desktop | LT20 S2  | LT40S2   | LT60S2                          | LT260   | <table border="1"> <thead> <tr> <th>Interface</th> </tr> </thead> <tbody> <tr> <td>SAS</td> </tr> <tr> <td>SAS or FC</td> </tr> <tr> <td>SAS or FC</td> </tr> <tr> <td>SAS or FC</td> </tr> <tr> <td>SAS or FC</td> </tr> </tbody> </table> | Interface   | SAS  | SAS or FC   | SAS or FC   | SAS or FC                   | SAS or FC   | <table border="1"> <thead> <tr> <th>Max. drives</th> </tr> </thead> <tbody> <tr> <td>1</td> </tr> <tr> <td>1</td> </tr> <tr> <td>2</td> </tr> <tr> <td>4</td> </tr> <tr> <td>12</td> </tr> </tbody> </table> | Max. drives                               | 1   | 1                     | 2 | 4 | 12 | <table border="1"> <thead> <tr> <th>Description</th> </tr> </thead> <tbody> <tr> <td>LTO-4 / LTO-5 / LTO-6 drive with 0.8 TB (LTO-4), 1.5 TB (LTO-5) or 2.5 TB (LTO-6) capacity native</td> </tr> <tr> <td>LTO-4 / LTO-5 / LTO-6 drive with 6.4 TB (LTO-4), 12 TB (LTO-5) or 20 TB (LTO-6) capacity native</td> </tr> <tr> <td>LTO-4 / LTO-5 / LTO-6 drive with 9.6 - 19.2 TB (LTO-4), 18 - 36 TB (LTO-5) or 30 - 60 TB (LTO-6) capacity native</td> </tr> <tr> <td>LTO-4 / LTO-5 / LTO-6 drive with 19.2 - 38.4 TB (LTO-4), 36 - 72 TB (LTO-5) or 60 - 120 TB (LTO-6) capacity native</td> </tr> <tr> <td>LTO-5 / LTO-6 drive with 120 - 240 TB (LTO-5) or 200 - 400 TB (LTO-6) capacity native</td> </tr> </tbody> </table> | Description | LTO-4 / LTO-5 / LTO-6 drive with 0.8 TB (LTO-4), 1.5 TB (LTO-5) or 2.5 TB (LTO-6) capacity native | LTO-4 / LTO-5 / LTO-6 drive with 6.4 TB (LTO-4), 12 TB (LTO-5) or 20 TB (LTO-6) capacity native | LTO-4 / LTO-5 / LTO-6 drive with 9.6 - 19.2 TB (LTO-4), 18 - 36 TB (LTO-5) or 30 - 60 TB (LTO-6) capacity native | LTO-4 / LTO-5 / LTO-6 drive with 19.2 - 38.4 TB (LTO-4), 36 - 72 TB (LTO-5) or 60 - 120 TB (LTO-6) capacity native | LTO-5 / LTO-6 drive with 120 - 240 TB (LTO-5) or 200 - 400 TB (LTO-6) capacity native | <table border="1"> <thead> <tr> <th>Ordercodes / comments</th> </tr> </thead> <tbody> <tr> <td></td> </tr> <tr> <td></td> </tr> <tr> <td></td> </tr> <tr> <td></td> </tr> </tbody> </table> | Ordercodes / comments |  |  |  |  |
| Specifications   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| No of slots / max. capacity (native)   | 1 slot / up to 2.5 TB   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  | 8 slots / up to 20 TB   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  | 12 - 24 slots / up to 60 TB   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  | 24 - 48 slots / up to 120 TB  |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  | 18 - 160 slots / up to 400 TB   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Product  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| LTO Desktop  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| LT20 S2  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| LT40S2   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| LT60S2   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| LT260  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Interface  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| SAS  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| SAS or FC  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| SAS or FC  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| SAS or FC  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| SAS or FC  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Max. drives  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| 1  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| 1  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| 2  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| 4  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| 12   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Description  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| LTO-4 / LTO-5 / LTO-6 drive with 0.8 TB (LTO-4), 1.5 TB (LTO-5) or 2.5 TB (LTO-6) capacity native  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| LTO-4 / LTO-5 / LTO-6 drive with 6.4 TB (LTO-4), 12 TB (LTO-5) or 20 TB (LTO-6) capacity native  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| LTO-4 / LTO-5 / LTO-6 drive with 9.6 - 19.2 TB (LTO-4), 18 - 36 TB (LTO-5) or 30 - 60 TB (LTO-6) capacity native   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| LTO-4 / LTO-5 / LTO-6 drive with 19.2 - 38.4 TB (LTO-4), 36 - 72 TB (LTO-5) or 60 - 120 TB (LTO-6) capacity native   |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| LTO-5 / LTO-6 drive with 120 - 240 TB (LTO-5) or 200 - 400 TB (LTO-6) capacity native  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
| Ordercodes / comments  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |
|  |   |                |  |                                      |                                       |                       |   |  |                               |   |  |             |  |  |                                 |   |   |   |  |   |   |                             |   |  |   |   |                       |   |   |    |   |             |   |   |  |  |   |   |                       |  |  |  |  |

# Microsoft® Server products

## Reliable foundation and increased productivity



|   | Specifications | Product   | Licensed Guest OS | Product details  | Client Access Licenses required? | Ordercodes / Comments |
|---|----------------|---|-------------------|--|----------------------------------|-----------------------|
| Windows Server® 2012 R2 Operating Systems |                | Windows Server® 2012 R2 Foundation                | none              | 1 server license, supports one socket, 32 GB RAM and up to 15 users, No Hyper-V support  | CAL > No<br>RDS > Yes            |                       |
|   |                | Windows Server® 2012 R2 Essentials                | 1                 | 1 server license, supports two sockets, 64 GB RAM and up to 25 users, incl. Hyper-V, VM only for Essentials                        | CAL > No<br>RDS > Yes            |                       |
|   |                | Windows Server® 2012 R2 Standard                  | 2                 | 2 processor license, more VM/CPU per add. Lic., supports 4 TB RAM, full featured edition   | CAL > Yes<br>RDS > Yes           |                       |
|   |                | Windows Server® 2012 R2 Standard                  | 4                 | 4 processor license, more VM/CPU per add. Lic., supports 4 TB RAM, full featured edition   | CAL > Yes<br>RDS > Yes           |                       |
|   |                | Windows Server® 2012 R2 Datacenter                | unlimited         | 2 processor license, Supports 4 TB RAM, full featured edition  | CAL > Yes<br>RDS > Yes           |                       |
|   |                | Windows Server® 2012 R2 Datacenter                | unlimited         | 4 processor license, more CPU per add. Lic., supports 4 TB RAM, full featured edition  | CAL > Yes<br>RDS > Yes           |                       |
| Windows® Storage Server 2012 R2           |                | Windows® Storage Server 2012 R2 Standard 2CPU/2VM | 2                 | 2 processor license, more CPU per add. Lic., scale out and sale up file server, unlimited amount of users                          | CAL > No<br>RDS > No             |                       |
|   |                | Windows® Storage Server 2012 R2 Standard 4CPU/4VM | 4                 | 4 processor license, more CPU per add. Lic., scale out and sale up file server, unlimited amount of users                          | CAL > No<br>RDS > No             |                       |
| Downgrade DG/DE Media Kit                 |                | Windows Server® 2012                              | -                 | Datacenter only downgrade to Datacenter and / or Standard, Standard can only downgrade to Standard                                 | -                                |                       |
|   |                | Windows Server® 2008 R2                           | -                 | Datacenter only downgrade to Datacenter, Enterprise and / or Standard, Standard can only downgrade to Enterprise and / or Standard | -                                |                       |
| Windows Server 2012 Client Access License |                | Windows Server® CALs (User / Device)              | -                 | Required to connect Windows Server services from clients. Available for users or devices and in different CAL packages.            | -                                |                       |
|   |                | Windows Server® RDS CALs (User / Device)          | -                 | Required to use remote desktop or terminal services. Available for users or devices and in different CAL packages.                 | -                                |                       |

# FUJITSU Software ServerView® Suite

## Integrated Server Lifecycle Management

ServerView® Suite is the key to higher value and efficient IT operation. It provides all the functions for fail-safe, flexible and automated 24x7 server operations and improves end-user productivity via intelligent and innovative system management solutions. It also supports the technologies involved in virtualization and the higher dynamics of IT infrastructures. ServerView® Suite delivers optimized deployment, permanent status monitoring and extensive control or analysis when there are malfunctions that result in fewer downtimes as well as improved maintenance and service quality. A high level of energy-efficient server operation is ensured by state-of-the-art power monitoring and control functions whereby seamless PRIMERGY integration in heterogeneous IT landscapes with different management enables full investment protection.

| <b>Deploy</b><br>fast, easy, reliable   | <b>Control</b><br>centralized, easy, efficient  | <b>Dynamize</b><br>simple, sophisticated, efficient   | <b>Maintain</b><br>in any state, at any place  | <b>Integrate</b><br>seamless, manage uniformly   |
|---|---|---|--|--|
| <p><b>Server Setup and Deployment</b></p> <ul style="list-style-type: none"> <li>■ <b>Installation Manager</b><br/>Configures Fujitsu PRIMERGY server hardware and installs operating systems and server management software either unattended or menu-driven, locally or remotely.</li> <li>■ <b>Scripting Toolkit</b><br/>Collection of utilities and sample scripts for individual script-based Fujitsu PRIMERGY server configuration and installation.</li> </ul> | <p><b>Server Monitoring and Control</b></p> <ul style="list-style-type: none"> <li>■ Operations Manager</li> <li>■ Agents / CIM Providers               <ul style="list-style-type: none"> <li>■ System Monitor</li> </ul> </li> <li>■ Event Manager</li> <li>■ RAID Manager</li> </ul> <p><b>Capacity Management</b></p> <ul style="list-style-type: none"> <li>■ Threshold Manager</li> </ul> <p><b>Power Management</b></p> <ul style="list-style-type: none"> <li>■ Power Monitor</li> <li>■ Power Consumption Management (in iRMC)</li> </ul> <p><b>Storage Support</b></p> <ul style="list-style-type: none"> <li>■ Storage Management               <ul style="list-style-type: none"> <li>■ Monitoring</li> <li>■ Events</li> </ul> </li> </ul> | <p><b>Private Cloud Infrastructure</b></p> <ul style="list-style-type: none"> <li>□ Resource Orchestrator Cloud Edition</li> </ul> <p><b>Consolidated Server Infrastructures</b></p> <ul style="list-style-type: none"> <li>□ Resource Orchestrator Virtual Edition</li> </ul> <p><b>I/O Management</b></p> <ul style="list-style-type: none"> <li>□ Virtual-I/O Manager</li> </ul> | <p><b>Remote Management</b></p> <ul style="list-style-type: none"> <li>■ integr. Remote Management Controller (iRMC)               <ul style="list-style-type: none"> <li>□ iRMC Advanced Pack</li> </ul> </li> <li>■ Management Blade</li> <li>□ Support Gateway / AutoCall</li> </ul> <p><b>Update Management</b></p> <ul style="list-style-type: none"> <li>■ Update Manager               <ul style="list-style-type: none"> <li>Download Manager</li> <li>Repository Manager</li> </ul> </li> <li>■ Update DVD</li> <li>■ Update Manager Express</li> <li>■ Repository Server</li> </ul> <p><b>Performance Measurement</b></p> <ul style="list-style-type: none"> <li>■ Performance Manager</li> </ul> <p><b>Investigation</b></p> <ul style="list-style-type: none"> <li>■ Asset Management               <ul style="list-style-type: none"> <li>■ Archive Manager</li> <li>■ Inventory Manager</li> </ul> </li> <li>■ PrimeCollect</li> </ul> <p><b>Inspection</b></p> <ul style="list-style-type: none"> <li>■ Online Diagnostics</li> <li>■ Customer Self Service               <ul style="list-style-type: none"> <li>□ Local Service Panel / Display</li> </ul> </li> </ul> | <p><b>Uniformed Management</b></p> <ul style="list-style-type: none"> <li>□ Fujitsu ManageNow® solutions</li> </ul> <p><b>ServerView Integration Packs</b></p> <ul style="list-style-type: none"> <li>■ Microsoft SCOM</li> <li>■ Microsoft SCCM</li> <li>■ Microsoft SC VMM</li> <li>■ Microsoft SC PRO Packs</li> <li>■ VMware vCenter</li> <li>■ Nagios</li> <li>■ Icinga</li> <li>■ HP Operations Manager</li> <li>■ HP Systems Insight Manager</li> <li>■ CA Unicenter</li> <li>■ CA Spectrum</li> <li>□ BMC Patrol</li> </ul> <p style="text-align: right;">         ■ = Standard<br/>         □ = Option       </p> |

More information on FUJITSU Software ServerView® Suite: [www.fujitsu.com/fts/serverview](http://www.fujitsu.com/fts/serverview)

# Support Pack / ServiceContract

## Maintenance & Support for Fujitsu Products

| Support Pack / ServiceContract  | Requirements | Product  | Product details   | Ordercodes / Comments |
|---|--------------|--|---|-----------------------|
| <p>Support Pack / ServiceContract</p> <p>Availability may vary from country to country.</p> |              | Onsite services 24x7 with recovery time of 4 hours | <p><b>Recovery Time:</b> The hardware recovery time is the time in which a service engineer usually recovers the operational readiness of the hardware. The recovery time refers to the time (within the agreed service time) between the call acceptance and the recovery of the operational readiness. Recovery time excludes the time to recover any data on hard disks and installation of any software and OS.</p> <p><b>Onsite Response Time:</b> If an incident cannot be solved remotely, the on-site response time refers to the time between call acceptance and the arrival of a service engineer with the diagnosed spare part, repair starts after arrival at the customer location. Specific requirements with regards to coverage area and response times are subject to local conditions.</p> <p><b>Warranty:</b> The Warranty is based on a voluntary obligation of Fujitsu as the manufacturer to the initial purchasers of new devices. The standard warranty period included in the product depends on the product class. For its extension, an respective service option has to be acquired.</p> |                       |
|   |              | Onsite services 9x5 with recovery the NBD          |   |                       |
|   |              | Onsite services 24x7 with response time of 4 hours |   |                       |
|   |              | Onsite services 9x5 with response within 4 hours   |   |                       |
|   |              | Onsite services 9x5 with response the NBD          |   |                       |
| Warranty prolongation   |              |  |   |                       |

## Windows Server

| FUJITSU Server PRIMERGY and Microsoft® Windows Server® | OEM | ROK | TX1310 M1 | TX1320 M1 | TX1330 M1 | TX150 S8 | TX2540 M1 | TX300 S8 | RX1330 M1 | RX200 S8 | RX2520 M1 | RX300 S8 | RX2540 M1 | RX350 S8 | RX4770 M1 | BX920 S4 | BX2560 M1 | BX924 S4 | OX2550 M1 | OX2570 M1 | PQ 2400E | PQ 2800E | PQ 2800B |
|--|-----|-----|-----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|----------|----------|----------|
| Windows Server® 2012 R2 Foundation                     | ✓   | ✓   | ✓         | ✓         | ✓         | ✓        |           |          | ✓         |          |           |          |           |          |           |          |           |          |           |           |          |          |          |
| Windows Server® 2012 R2 Essentials                     | ✓   | ✓   | ✓         | ✓         | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         |          |           |          |           |          |           |          |           |           |          |          |          |
| Windows Server® 2012 R2 Standard                       | ✓   | ✓   | ✓         | ✓         | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓         | ✓        | ✓        | ✓        |
| Windows Server® 2012 R2 Datacenter                     | ✓   | ✓   | ✓         | ✓         | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓         | ✓        | ✓        | ✓        |
| Windows Storage Server® 2012 R2 Standard               | ✓   | ✓   | ✓         | ✓         | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        |           | ✓        |           | ✓        |           |           |          |          |          |

Fujitsu delivers Maintenance and Support Services through certified support engineers for x86 servers, ETERNUS storage systems and software: From installing new products to providing fast and uncomplicated support for hardware, software and infrastructures. With the right mix of Maintenance and Support Services, Fujitsu enables the early planning for the availability of IT systems required for state-of-the art business operation. IT staff can concentrate on its core business.

**For more information about our Product Support Services please visit:**  
<http://www.fujitsu.com/fts/products/computing/support/>

Financing is the key component of your IT investment decision. Fujitsu Financial Services helps you acquire tomorrow's technology today. With our unique and tailor made financial solutions we address shrinking budgets, transfer technology risk and disperse financial risk. We give you a peace of mind, leaving you to concentrate on your core business.



**For more information on our range of financial solutions please visit:**  
[www.fujitsu.com/fts/financialservices](http://www.fujitsu.com/fts/financialservices)

Published by

## **Fujitsu Technology Solutions GmbH**

Mies-van-der-Rohe-Str. 8, D-80807 Munich

Copyright: © 2014 FUJITSU

Printed in Germany

Contact: [ts.fujitsu.com/contact](http://ts.fujitsu.com/contact)

Update 10.2014

All rights reserved, including intellectual property rights. Technical data subject to modifications and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

